

CLAIMS

1. A process of manufacturing membrane-electrode assemblies, said process comprising pressure bonding an electrolyte membrane with electrode substrates to form a membrane-electrode assembly, wherein a good solvent for the electrolyte membrane is applied to at least one of facing surfaces of the opposed electrode substrate and the electrolyte membrane prior to the pressure bonding.

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2. The process as claimed in claim 1, wherein a good solvent for the electrolyte membrane is applied to both of the facing surfaces of the opposed electrolyte membrane and the electrode substrate.

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3. The process as claimed in claim 1 or 2, wherein the electrolyte membrane is a film produced by a film casting method in which a solution of a proton conductive polymer in an organic solvent is flow cast on a substrate and wherein the electrolyte membrane contains the residual solvent in an amount of 5 parts by weight or less based on 100 parts by weight of the proton conductive polymer.

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4. The process as claimed in any one of claims 1 to

3, wherein the electrolyte membrane comprises a sulfonated aromatic polymer.

5. The process as claimed in claim 4, wherein the good
5 solvent for the electrolyte membrane is an aprotic dipolar solvent.

6. The process as claimed in claim 4, wherein the sulfonated aromatic polymer is a sulfonated polyarylene.